

Product datasheet for AR51471PU-S

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Caspase-3 (176-277,) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Caspase-3 (176-277,) human recombinant protein, 50 μg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MSGVDDDMAC HKIPVEADFL YAYSTAPGYY SWRNSKDGSW FIQSLCAMLK QYADKLEFMH

or AA Sequence: ILTRVNRKVA TEFESFSFDA TFHAKKQIPC IVSMLTKELY FYH

Predicted MW: 12 kDa

Concentration: lot spec

Concentration: lot specific

Purity: >80% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human CASP3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeg: NP 001341706

Locus ID: 836 Cytogenetics: 4q35.1

Synonyms: CASP-3, CASP3, CPP-32, Yama protein, Apopain, SCA-1, SCA1

Summary: The protein encoded by this gene is a cysteine-aspartic acid protease that plays a central role

in the execution-phase of cell apoptosis. The encoded protein cleaves and inactivates

poly(ADP-ribose) polymerase while it cleaves and activates sterol regulatory element binding proteins as well as caspases 6, 7, and 9. This protein itself is processed by caspases 8, 9, and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. [provided by RefSeq,

Aug 2017]





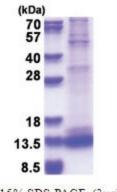
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protease

Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer,

Epithelial cell signaling in Helicobacter pylori infection, Huntington's disease, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Parkinson's disease,

Pathways in cancer, Viral myocarditis

Product images:



15% SDS-PAGE (3ug)